

## Dot laser, red, 635 nm, 3.5 mW

DOE-QD635-5-6(10x24)-ADJ  
Order Number: 70132083

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 635 |     | nm   |
| Optical Diode Power   | 2   | 3.5 | 5   | mW   |
| Operating Voltage     | 3   | 6   | 6   | V DC |
| Operating Current     | 15  | 30  | 70  | mA   |
| Operating Temperature | -20 |     | 50  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime >3,000 h  
RoHS yes

### Optical Parameters

|                    |                   |
|--------------------|-------------------|
| Beam Shape         | Dot               |
| Laser Class        | 3R                |
| Divergence         | H - 1.0 mrad      |
| Size of Laserdot   | adjustable        |
| Operating Distance | 10 m              |
| Optics             | acryl lense       |
| Laser technology   | Single Mode Diode |
| Focus              | adjustable        |

### Electrical Parameters

Potential of Housing VDD(+)

### Mechanical Parameters

|              |                            |
|--------------|----------------------------|
| Size         | Ø10x24 mm                  |
| Material     | Brass                      |
| Cable length | 100 mm                     |
| Wire type    | 26AWG, 0,14mm <sup>2</sup> |

|                   |       |
|-------------------|-------|
| Output Aperture   | 3 mm  |
| Housing Color     | brass |
| Weight            | 8.5 g |
| Stripping of wire | 5 mm  |

(\*) Over the complete operating temperature range

### Features



- DOE optimized
- Laserclass depends on DOE
- Compact size
- Wide operating voltage
- Low cost

### Picture



### Cable color

|          |  |       |                   |
|----------|--|-------|-------------------|
| Ground   |  | black | GND               |
| Positive |  | red   | 3 - 6, typ 6 V DC |

### Safety Label



### Valid Revision

| 04-JAN-2021